

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/20016

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B24B 21/18

US CL : 451/444

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 451/444

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,289,815 A (Krenzer) 01 March 1994 (01.03.1994), See column 4, lines 3-55.	1,2,6
X	US 6,123,605 A (Yano) 26 September 2000 (26.09.2000), See column 6, line 45-col. 7, line 23.	1,2,6
A	US 6,338,672 B1 (White) 15 January 2002 (15.01.2002), See fig. 2.	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

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"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

17 December 2004 (17.12.2004)

Date of mailing of the international search report

27 JAN 2005

Name and mailing address of the ISA/US

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